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TITLE: Human B7.1-specific primatized antibodies and transfectomas expressing said antibodies

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CLAIMS:

What is claimed is:

1. A primatized antibody which specifically binds to human B7.1 antigen, wherein said antibody contains the variable heavy and light domains contained in SEQ. ID. NOS. 1 through 4 and contains human heavy and light chain constant regions.
2. The primatized antibody of claim 1, which contains a human gamma 1 or gamma 4 constant region.
3. A primatized antibody which specifically binds to human B7.1 antigen wherein said antibody contains the variable heavy and light domains contained in SEQ. ID. NOS. 5 through 8 and contains human heavy and light chain constant regions.
4. A primatized antibody of claim 3, which contains a human gamma 1 or gamma 4 constant region.
5. A primatized antibody which specifically binds human B7.1 antigen wherein said antibody contains the variable heavy and light domains contained in SEQ. ID. NOS. 9 through 12 and which further contains human heavy and light chain constant regions.
6. A primatized antibody of claim 5, which contains a human gamma 1 or gamma 4 constant region.
7. A composition comprising at least one primatized antibody according to any one of claims 1 through 6, and a diagnostically or pharmaceutically acceptable carrier.
8. A transfectoma which expresses a primatized antibody which specifically binds to human B7.1, wherein said primatized antibody is a primatized antibody according

to any one of claims 1 through 6.

9. The transfectoma of claim 8, wherein said antibody is encoded by the nucleic acid sequence contained in SEQ ID. NOS. 1 through 4.

10. The transfectoma according to claim 8, wherein said antibody is encoded by the nucleic acid sequence contained in SEQ. ID. NOS. 5 through 8.

11. The transfectoma according to claim 8, wherein said antibody is encoded by nucleic acid sequence contained in SEQ. ID. NOS. 9 through 12.